Original/Duplicate/Triplicate
CONTRACT CERTIFICATE

No. ***Third & Final Bill*** (For Other Works) Date……2018

SBR-57/27.09.2018

Division: **BBMP, Byatarayanapura** Sub-Division: **BBMP, Vidyaranyapura**

Bill Received No. Dated Divisional Cash Book Voucher No…….. Dated…….
Sub Divisional **Work Code: 009-16-000052**

Schedule Docket No. Head of Account: **P-3160** **Est.Cost: 468.80 Lakhs** D.R.No. :

Name of Work (as per sanctioned estimate: PACKAGE 3 IMPROVEMENTS TO ROADS AND DRAINS PROVIDING AMMENITIES CONSTRUCTION OF RO WATER PLANT BANGALURU ONE CENTER PROVIDING SODIUM VAPOUR LIGHTS SIGN BOARDS IN WARD NO 9 10 AND 11 BYATARAYANAPURA DIVISION AS PER ANNEXURE GO NO UDD 217 SFC 2016 DATED 28 5 2016 WORKS SL NO FOR WARD NO 9 33 To 34 WARD NO 10 35 TO 38 WARD NO 11 39 TO 48.

Name of Contractor and Full Address: ***Sri. B.B. Umesh, # 385/1, near Anjenaya Temple, Bettahalsur (V) & (P), Bangalore – 562 157.***

Reference to Agreement No. **EE/BTP/BBMP/ E-PMT/01(26619)/WO/50/2017-18** Date: **06.01.2018**

Certified that the measurements were taken by me on 3.9.2018 and recorded of **Pages** 615 **to** 622 of measurement Book No. 2447 and that the work is satisfactorily executed.

B.B. **Contractor** **Officer-in-charge of work**

Certified that the measurement were taken by me on 3/9/18 and found correct. The work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of Account have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of and imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

Sub-Division Officer

II Memorandum of Payment

1) Total value of work done or supplies made as per account within		
2) Deduct amount to be held in reserve being ……percent Rs……		
3) " Balance		
4) Deduct Payment:		
a. Amount of previous payment as in the Office Cash Book Voucher No……Dated……S.D. No…… Amount	Rs	4,62,89,550-00
adjusted towards cash advance recovery of	2nd & part-Bill Rs	3591848-00
b. Payments Now made } cost store or other material supplied. recovery of amount creditable to this/other work Amount paid on this bill Cheque / Cash.	3rd & Final Rs:	1,03,71,102-00
	IT-	207422-00
	Cess-	103711-00
	CBF-	103711-00
	LR-	104082-00
5) Balance being unpaid value of work done held in reserve.	Adjn.	425586-00
6) Deduct cash advance made on the Office cash Book Voucher No…… dated……less adjustments.	Cheque:	9945516-00
7) Net amount due to or from Contractor unadjustments items.		
8) Advance to Contractor for materials brought to site (as detailed) within.		
9) Value of Government materials supplied.		
Total amount adjusted -		

B.B. Contractor's Signature

Received Rs…….. (in words)……
……
by cash and by adjustment of Payment as per memorandum
(in final settlement of all demands) (For use in the Office)

Witness
1.
2.
Dated Signature of Contractor
Paid by me by Cheque No…… Dated
Cash Rs……
Dated……

Rs: 1,03,71,102-00
Stamp 425586-
99,45,516-00
Rs: Ninty nine Lakhs forty five thousand five hundred sixteen only.

Initials of Officer making payment **Executive Engineer**

27/09

Sl. No	Description of work	Unit
1	Earthwork excavation by manua lmeans in ordinary soil involving an average horizontal throw upto 2 meters and an average lif tupto 0.5m,excavated surface levelled and sides neately dressed,the disposed earth tobe levelled neatly after breaking of clods completeas per specification.	Cum
2	Earthwork in surface excavation in ordinary soil for levelling and lowering the ground manually(otherthan foundation of buildings,culverts,road drains and trenches of pipelines and cables)and removing the excavated stuff to a distance not exceeding 50m and lift upto1.5m,excavated surface levelled and neatly dressed,disposed earth to be levelled after breaking of clods and neatly dressed as per specifications.	Cum
3	Removing &Refixing Stone slabs of drains and Pointing in .M(1:3)	Sqm
4	Providing granite Slabs of Selected quality roughly dressed and fixed in cement mortor (1:6) including fixing curing etc,. Complete. 7.5cms thick	Sqm
5	Dismantling of existing structures like culverts, Bridges, retaining walls and other structure comprising of masonry, cement concrete, woodwork, steelwork, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceble material and stacking the serviceble material with all lifts complete as per specifications. II.By mechanical means,A.Cement concrete Grade M-15&M-20	Cum
6	Providing and laying in position plain cement concrete of mix1:3:6with OPCcement @220kgs,with40 mm and down size graded granite metal coarse aggregates @0.892 cum and fine aggregates @0.465cum,machine mixed,concrete laid in layers not exceeding15cms.thick,well compacted,in foundation in cluding cost of all materials,labour,HOM of machinery,curing complete as per specifications.	Cum
7	Providing and constructing granite/trap/basalt size stone masonry in foundation with cement mortar1:6,stone hammerd dressed in courses not less than 20cms high,bond stones at two m.apart in each course including cost of materials, labour,curing complete as per specifications.	Cum
8	Providing and constructing granite/trap/basalt size stone masonry in basement with cement mortar1:6, edges of stones chistle dressed in courses not less than15cms high,bond stones at two m.apart in each course including cost of materials,labour,curing complete as per specifications.	Cum
9	Providing ruled pointing to coursed stone masonry with cement mortar1:3,20mm deep,after raking joints to depth of 20 mm nicely lining, including cost of materials,labour,curing complete as per specifications.	Sqm
10	Providing and laying in position plain cement concrete of mix1:2:4 with cement @240kgs,with 20 mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregtes @ 0.459 cum, machine mixed, concrete laid in layers not exceeding 15cms.thick,well compacted, in foundation, plinth and cills ,ncluding cost of all materials, labour,HOM of machinery, curing complete as per specifications.	Cum
11	Supplying and fixing M.S. Rectangular poles made out of 2 equal angles of 65x65x6mm welded to gether and fixed in CC(1:2:4)WITH 2 NOS 16mm dia M.S.hold fast rods each of length 25cms.Including cost of all materials cutting, bending scaffolding wherever necessary, nicely finishing the welded joints with all lead lifts and as per the directions of the Engineering-charge of the work and including providing 2 coats of approved quality paint	m
12	Providing chain link fencing 50 mm size of 8 guage properly stretched between existing rectangular poles and fixed with suitable bolts&nuts,the free ends shall be welded to the pole and block pipe at top and bottom as required including cost of all materials,labour,lead and lift sand as per the directions of the Engineer-in-charge of work including two coats of approved quality paint over one coat of shop paint	Sqm
13	Providing and fixing M.S.Block pipe of 38mm dia,of heavy guage of 14 including removing the bends,cutting the pipe,and fixing pipe in between the existing two verticle poles(M.S.rectangular poles)and spot welding the chain link with M.S.block pipe including cost of all materials wastage in cutting,and scaffolding wherever necessary with all lead and lift as directed by the Engineer-in-charge of work etc.,complete including two coats of approved	m
14	Scarifying Existing Bituminous surface to a depth of 50mm byMechanical Means.Scarifying the existing bituminous road surface to a depth of 50mm and disposal of scarified material and complete as per specifications.	Sqm
15	Excavation for road work in soil with hydraulic excavator of 0.90 cum bucket capacity including cutting and loading in tippers,trimming bottom and side slopes,in accordance with requirements of lines,grades and cross sections,and transporting to embankment location and complete as per specifications.	Cum
16	Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechaniqal mix plant carriage'of mixed Material by tipper to site,laying in uniformlay ers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density.complete as per specifications.	cum
17	Providing and applying primer coat with SS bitumen emulsion on prepared surface of granular Base such asWBM WMM including clearing of road surface and praying primer at the rate of 0.60kg I sqm using mechanical means complete as per specifications.	Sqm
18	Cleaning the existing black topped surface with brooms,soft brushes and finally dusting with old gunny bags and/or compressed air to receive bituminous treatement including cost of all materials, labour,HOM of machineries complete as per specifications.	Sqm
19	Providing and applying tack coat using 80/100 grade bitumen (VG10) on prepared black topped surfaces at 2.5Kg per10sqm,heating bitumen in boiler fitted with spray set (excluding cleaning of road surface)including cost of all materials,labour,HOM of machineries complete as per specification	Sqm

Unit	Previous Measurement		Present Measurement			Total UP-to-date		Rmks
	Qty	Cost	Qty	Rate Rs.	Cost	Qty.	Cost	
Cum	2558.60	511720.00	827.50	200.00	165500.00	3386.10	677220.00	
Cum	945.00	269325.00	0.00	285.00	0.00	945.00	269325.00	
Sqm	3938.31	330818.04	651.69	84.00	54741.96	4590.00	385560.00	
Sqm	0.00	0.00	540.00	694.00	374760.00	540.00	374760.00	
Cum	0.00	0.00	129.45	493.00	63818.85	129.45	63818.85	
Cum	149.44	835070.72	0.00	5588.00	0.00	149.44	835070.72	
Cum	61.97	287354.89	22.41	4637.00	103915.17	84.38	391270.06	
Cum	35.36	196000.48	13.44	5543.00	74497.92	48.80	270498.40	
Sqm	157.14	16971.12	59.76	108.00	6454.08	216.90	23425.20	
Cum	8.61	51883.86	2.23	6026.00	13437.98	10.84	65321.84	
m	277.20	251420.40	0.00	907.00	0.00	277.20	251420.40	
Sqm	361.50	263533.50	0.00	729.00	0.00	361.50	263533.50	
m	482.00	172556.00	0.00	358.00	0.00	482.00	172556.00	
Sqm	2572.30	20578.40	1046.20	8.00	8369.60	3618.50	28948.00	
Cum	1668.13	270237.06	424.20	162.00	68720.40	2092.33	338957.46	
cum	2250.22	4156156.34	631.46	1847.00	1166306.62	2881.68	5322462.96	
Sqm	10038.80	321241.60	1823.20	32.00	58342.40	11862.00	379584.00	
Sqm	34537.46	110519.87	9524.04	3.20	30476.93	44061.50	140996.80	
Sqm	43458.71	564963.23	12464.79	13.00	162042.27	55923.50	727005.50	

Sl. No	Description of work	Unit
20	Providing and laying bituminous concrete 30-40mm compacted thickness with VG30 Bitumen grade using40-60HMP using crushed aggregates of grading II,premixed with bituminous binder at 5.4%of mix and filler,transporting the hot mix to work site,laying with a mechanical paver finisher to ther equired grade,level and alignment,rolling with smooth wheeled,vibratory and tandemrollers to achieve the desired compaction as per MoRT&H specification clause No.500.9 complete in all respects as per specifications .	Cum
21	Cement concrete pavement.Construction of un-reinforced plain cement concrete pavement,thickness as per design,over a prepared subbase with OPC cement or any other type as per clause1051.2.2 design mixM20/M30,with 25mm and downsizegraded granite metal coarse aggregates and fine aggregtes,with superplastisiser @3ltsconfirmingtoIS9103-1999 Re affirmed-2008,mixed in a concrete mixer of not lessthan 0.6cum capacity and appropriate weigh batch erasper approved mixd esign,laid in approved fixed side formwork (steel channel,laying and fixing of125 micron thick polythene film,wedges,steel plates including levelling the formwork as per drawing).Spreading the concrete with shovels,rackers compacted using needle,screed and plate vibrator and finished in a continuous operation including provision of contraction, expansion,construction and longitudinal joints including groove cutting charges, jointfiller,separation membrane,selant primer,jointsealant,admixtures as approved,curing compound,finishing to lines and grades as p	Cum
22	Vaccumde-watering with vaccum pump and suction mat and compaction with skin floater clubbed with floating disc including cost of generator, HOM of machinery, Screed Vibratory, Power Floater, blade and disc etc., with all lead and lift.	Sqm
23	Providing and fixing Precast solid concrete kerb stones made out of CC1:2:4 with top and bottom width 114 and 165mm respectively,400mm high and450mm in length finished with CM1:3 plastering and finishing cutting, including formwork,curing,including cost of all materials,labour,hire charges of machinery, loading, unloading, lead and lift, transport at ion etc.,complete	No
24	Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials,labour complete as per specifications.	Sqm
25	Construction of Median and is land above road level with approved material deposited from borrow pits,spread,sloped and compacted as per Clause400.7 complete as per specifications.	Cum
26	Providing and laying heavy duty cobble stones 60mm thick interlock pavers,using cement and courses and for manufacture of blocks of approved size,shape and colour with a minimum compressive strength of 281kg per sqm over 50mm thick sand bed (average thickness)and compacting with plate vibrator having 3tons compaction force there by forcing part of sand under neath to come up in between joints,final compaction of paver surface joints into its final level,including cost of materials,labour and HOM of machineries complete as per specifications.	Sqm
27	Providing and fixing M.S.Gate as per Chief Architect Drawing,using 50mmx50mm 14guage M.S.hollow pipe frame work bent to ornamental shape as shown in the drawing and 35mmx6mm and16x16mm Square rods for verticals alternatively spaced at 4cms/cin two halves and 40mmx6mmM.S. flats for horizontal member and at the top cast iron spikes are provided at alternate vertical members as shown in the drawing etc.,complete.All the steel surface should be thoroughly cleaned free of rust and painted with anticorrosive paint (shoppaint)etc.,complete.The work includes cost of all materials,labour charges for all items of work,hire charges for welding,cutting and grinding equipment,and electricity charges,with lead and lift,loading and unloading charges, etc., complete as per specifiocation.	Sqm
28	Providing and laying of hot applied thermo plastic compound 2.5mm thick including reflecto rising glass beads at 250gms per sqm area,thickness of 2.5mm is exclusive of surface applied glass beads as per IRC:35.The finished surface to be level,uniformand free from streak sand holes complete as per specifications.	Sqm
29	Geophysical investigation of site for sinking Borewell for supplying drinking water to the habitation either through the Hand pump,MWS of P.W.S.S by vertical electrical sounding by adopting Venner or Schlumberger's method, including reconnaissance survey of geological formation, Gerophysical investigation of existing Ground Water in the vicinity, its quality f1.0 meter in consolidated formation for proper seating of casing pipe,depth of drilling required to cover full depth of aquifer proposed to be tapped,probable yield and other information required including transportation of instrument and accessories to work site.,engaging techinical personal and labour required etc.,as per Specification and direction	Each BW
30	Sinking borewell of 165 mm dia clear using superfast hydraulic rig of capacity 250 PSIG & above CFM & above in all strats including over burden upto 20 mts fixing of casing pipes,collars and cap with necessary cutting,throading and welding including transportation of rig and supporing vehicles,crew charges and cost of consumables etc.,complete including yield testing at the final depth with a minimum working of compressor for one hour (excludingcoatofcasingpipes,collars,cap etc.,)	Rmtr

Unit	Previous Measurement		Present Measurement			Total UP-to-date		Rmks
	Qty	Cost	Qty	Rate Rs.	Cost	Qty.	Cost	
Cum	1422.06	11906908.38	805.22	8373.00	6742107.06	2227.28	18649015.44	
Cum	0.00	0.00	115.80	6496.00	752236.80	115.80	752236.80	
Sqm	0.00	0.00	1158.00	100.00	115800.00	1158.00	115800.00	
No	644.00	221536.00	0.00	344.00	0.00	644.00	221536.00	
Sqm	101.50	6699.00	0.00	66.00	0.00	101.50	6699.00	
Cum	58.00	12644.00	0.00	218.00	0.00	58.00	12644.00	
Sqm	290.00	292900.00	0.00	1010.00	0.00	290.00	292900.00	
Sqm	22.50	73125.00	0.00	3250.00	0.00	22.50	73125.00	
Sqm	544.25	308045.50	0.00	566.00	0.00	544.25	308045.50	
Each BW	6.00	11796.00	0.00	1966.00	0.00	6.00	11796.00	
Rmtr	300.00	96000.00	0.00	320.00	0.00	300.00	96000.00	

Sl. No	Description of work	Unit	Previ Qty
31	Sinking borewell of 165 mm dia clear using superfast hydraulic rig of capacity 250 PSIG & above CFM & above in all strats including over burden upto 20 mts fixing of casing pipes,collars and cap with necessary cutting,throading and welding including transportation of rig and supporing vehicles,crew charges and cost of consumables etc.,complete including yield testing at the final depth with a minimum working of compressor for one hour (excludingcoatofcasingpipes,collars,cap etc.,)	Rmtr	300.0
32	Sinking borewell of 165 mm dia clear using superfast hydraulic rig of capacity 250 PSIG & above CFM & above in all strats including over burden upto 20 mts fixing of casing pipes,collars and cap with necessary cutting,throading and welding including transportation of rig and supporing vehicles,crew charges and cost of consumables etc.,complete including yield testing at the final depth with a minimum working of compressor for one hour (excludingcoatofcasingpipes,collars,cap etc.,)	Rmtr	300.0
33	Sinking borewell of 165 mm dia clear using superfast hydraulic rig of capacity 250 PSIG & above CFM & above in all strats including over burden upto 20 mts fixing of casing pipes,collars and cap with necessary cutting,throading and welding including transportation of rig and supporing vehicles,crew charges and cost of consumables etc.,complete including yield testing at the final depth with a minimum working of compressor for one hour (excludingcoatofcasingpipes,collars,cap etc.,)	Rmtr	300.0
34	Sinking borewell of 165 mm dia clear using superfast hydraulic rig of capacity 250 PSIG & above CFM & above in all strats including over burden upto 20 mts fixing of casing pipes,collars and cap with necessary cutting,throading and welding including transportation of rig and supporing vehicles,crew charges and cost of consumables etc.,complete including yield testing at the final depth with a minimum working of compressor for one hour (excludingcoatofcasingpipes,collars,cap etc.,)	Rmtr	300.0
35	Supply of ISI mark175mm nominal bore,Plain end steel casing pipe-grade of Steel Fee 410 of wall thickness 5.4mm thick confirming to IS4270:2001 and latest amendments,electric resistance welded steel tube material and confirming to IS1387/1993 and manufactured by base icopen hearth electric or basic oxygen process in random length of 5to7mts both ends threaded confirming to IS554/1985,one end fix ied with socket confirming to IS4270:2001 and the other end with screwed pipes ISI Marking weighing 25.10Kg/mtr(Inclusive of all taxes and durties)Prices include Collar-medium duty	Rmtr	300.0
36	Providing 250mm dia PVC Pipe 6kg/cm SEPRED Approved Rate	Rmtr	108.0
37	Providing and fixing160mm Borewell Cap	Rmtr	6.00
38	Supply and delivery at site brand New texmo/ innoval/Lubi /Sabar/Atalanta /Calamal/make suitable for vertical installation in150mm dia borewell comprising of single stage or multistage CF pump close coupled by measns of stainless stel coupling to suitable HP suitable speed totally enclosed and filled with pure drinking water (Wettype)s quirrel cages ubmersible induction motor suitable for opertation of 3PH.,50Hz,380/440 volts AC supply fitted with required accessories such as suction,casing suction strainerss and guard N on return value etc.complete.The pump and motor shall form an integral unit with all the required fittings 12.50HP 25 stage.ATALANTA<SUGNA<CRI,KIRLOSKAR and other Equivalent Pumps	No	6.00
39	Supplying of ISI marked galvanized mild steel tube (continously welded electric resistance welded (ERW) high frequency,induction welded (HFIW) Hot finished welded type of nominal bore given below screwed at both ends as per IS554/1986 with latest amendments, pipes threafte sat one end and the other end protected as per specification in random lengths of 4 to7 mtrs Confirming to IS1239 partl/1990 with amendament1-5 and with all its latest amendements if any.The pipes supplied should be with BIS mark No 3/08-09 2406/15.10.2008	Rmtr	1500.
40	Heavy Duty Collar 50 mm dia	No	264.0
41	Supplying and drawing 3 core flat PVC sheathed submersible pump cable manufactured with electrolytic grade copper with flexible copper with lowre sitance conductor confirming to table 3 class 5 of IS:8130-1984 and virgin gradePVC insulation and powder coating extruded PVC sheathed suitable for working voltage upto1100Volts as per IS-694:1990 & confirming to GTPof GROUP-A.3Cx 6 Sqm mm	Mtr	3060.
42	Erection of pump set including aligning and balancing with all necessary erection materials and labour including supply and erection of one pair supprting clamps,one borewell cap.Cable clips with bolts,nuts,valves guages etc.,involove din the job(Necessary GI pipe and specials with be supplied by the board at the site free of cost	No	6.00
43	Supplying and fixing 20"x20"x2.5"polished wood board made of not lessthan15mm thick plank on both sides with planks made out of not more than 2pieces and fixing the same to the wall using tpered inverted wooden plugs screws	Each	6.00
44	Supplying of 1.1 KV LTUG cable having aluminum conductor PVC insulated,extruded inner sheathed ,galvanized,steel strip(except 2CX10Sq.mm wire ar moured)confirming to IS-3975:1990 (No.of Strip indicated in GTP) & extruded PVC outer sheathed armoured cable with specified IS-1554 Part-1:1988 & confirming to GTP of GROUP-APNo.55/INo.7.4.44 core16Sqmm	Mtr	180.0
45	Labour charges for laying of 1.1KV class UG cable in existing trench GI pipe/stone ware pipe/on wall/ on pole as required.In existing trench /duct.PNo.61/ INo.7.8.16 Sqmm to16 Sqmm)	Mtr	180.0

	Unit	Previous Measurement		Present Measurement			Total UP-to-date		Rmks
		Qty	Cost	Qty	Rate Rs.	Cost	Qty.	Cost	
bove sary st of r for	Rmtr	300.00	125400.00	0.00	418.00	0.00	300.00	125400.00	
bove sary st of r for	Rmtr	300.00	139500.00	0.00	465.00	0.00	300.00	139500.00	
bove sary st of r for	Rmtr	300.00	147000.00	0.00	490.00	0.00	300.00	147000.00	
bove sary st of r for	Rmtr	300.00	170400.00	0.00	568.00	0.00	300.00	170400.00	
ness erial ss in ng to and	Rmtr	300.00	415200.00	0.00	1384.00	0.00	300.00	415200.00	
	Rmtr	108.00	84996.00	0.00	787.00	0.00	108.00	84996.00	
	Rmtr	6.00	1230.00	0.00	205.00	0.00	6.00	1230.00	
rtical ns of vater AC alue 25	No	6.00	378708.00	0.00	63118.00	0.00	6.00	378708.00	
high ends per th all	Rmtr	1500.00	586500.00	0.00	391.00	0.00	1500.00	586500.00	
	No	264.00	35640.00	0.00	135.00	0.00	264.00	35640.00	
rade virgin ts as	Mtr	3060.00	612000.00	0.00	200.00	0.00	3060.00	612000.00	
ding ages	No	6.00	18810.00	0.00	3135.00	0.00	6.00	18810.00	
with lugs	Each	6.00	1890.00	0.00	315.00	0.00	6.00	1890.00	
thed ed in GTP	Mtr	180.00	26280.00	0.00	146.00	0.00	180.00	26280.00	
le as	Mtr	180.00	1980.00	0.00	11.00	0.00	180.00	1980.00	

Sl. No	Description of work	Unit	Previou Qty
46	Digging of trench of 0.6m deep x0.50mtr wide refilling the trench to the required ground level and consolidating etc.,complete.	Mtr	150.00
47	Supplying and fixing of class A(mediumduty) GI pipe of wall thickness not less than3.25mm on pole/wall/drain crossing with necessary clamping arrangements forUG cable of 1.1 KV	Mtr	24.00
48	Supplying and fixing L.T.cast Iron pot heads suitable for1.1KVclass UG cable filled with necessary bitumen /insulating compound complete with terminals,clamps,bolts,nutsandwashersetc.,	No	6.00
49	Supplying, fixing, wiring,earth electrode for grounding conduits,I.C.cutouts and other equipment's on the meterboard using 40mm dia 2.90 mm thick GI pipe2.5mtr long buried in a pit...The pits hould be filled with equal proportion of salt and charcoal 150mm all-round the pipe to completed epth.The connection from the pipe to the conduit etc.,is to be established through GI wire of size as per ISIspecification7.3.3.of IS732 using 12mm dia bolts, nuts,washers and check nuts etc.,the pipe shall have16 through holes of 122mm dia	No	6.00
50	Supplying & fixing of Porcelain fuse channel with cutout on existing wooden /panel using necessary nuts,bolts and washers.	No	36.00
51	Providing and fixing in position 50mm nominal bore gun metal non-return valve horizontal type of approved make including cost of all materials,labour and HOM of equipments with all leads complete as per specifications	No	6.00
52	Providing NP/CP waste unions conforming to ISI specifications and fixing the min position as per directions including cost of materials,fixtures and convey ance to work spot etc.,complete.	No	6.00
53	Supplying and fixing 50mm dia GIX nipple with ISI mark with all lead and lift loading unloading and labour charges etc complete	No	24.00
54	Supplying shunt capaitors conforming to IS2834,3 phase 400/440 volts grade for power factor improvement of rotating machinery,Capacitor in KVAR rating Nos.2KVAR capacity with all lead and lift=,loading,unloading and labour charges etc complete as per specifications	No	6.00
55	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve,indicator ON/OFF,energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as per required confirming to IEC60898.5-32Amps	No	6.00
56	Fabricating supplying and mounting MS box made out...SWG suitable for floor /wall mounting, fully weather proof with provision for better heat dissipation,provided with hinged front cover,equipped with tamper proof locking arrangements,with suitable size clamps with necessary cable entry pipe with gland and box should be finished with 2 coats of red oxide primer paint and finally finishd with approved colour enameled metal paint etc.,complete	No	131400.0
57	Supplying and delivery at site brand new star/ Essen/ Lotus/ Sun-shines /Adarsh /GK Controls best in digenous make combined energy meter-cum-control panel board unit of size 600x450x200mm minimum mechanically strong vermin and water proof.The unit shall have two detachable doors suitable for operation on 3ph,50Hz,380/440 volts,A.C supply with spring loaded latch, locking device with a key ribs should be provided inside the door,canopy apron and louvers ventilators shall be provided.the combined energy meter cum-control panel board unit suitable for operation.The panel board shall be fabricated on single unit in the above components for suitable pump set.12.5HPto15HP Star Delta Starter	No	6.00
58	Earthwork excavation for pipeline trenches including deporiting or bank upto a lead of 50mtrs including shiriry and statting danger lighting and usig site rails and boming poles at every 100 mtrs wherever necessary as directed in the following strructure man hole. Hard Soil	Cum	162.00
59	Providing and instalation at site of works P.V.C.Pipes including cost of pipes and specials and incluidng lowring in to trenches,laying true to line,level and perfect linking at joints,leak proof including jointing encasing the pipe alround to a depth Not lessthan 15cm with grave or selected earth avalabile from the execavation Etc.,.	Rmtr	360.00
60	Refilling the basement and pipeline treanches with secleted available earth for trench excavation including authority condition in layers from the di including disponsary of the sunplus earth with a heavy 200mtrs	Cum	162.00
61	Providing and fixing in position brass gate valve with C.I wheel of approved quality (screwedend) 50mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications.	Each	12.00
62	Earthwork excavation for foundation of buildings,culverts water supply,sanitary line and electrical conduits either in pits or in trenches 1.5m and above in width,in Hard soil not exceeding 1.5m,in depth including dressing the bottom and sides of pits and trenches,stacking the excavated soil clear from edges of excavation with lead upto 50m,after breaking of clods complete as per specifications,	Cum	213.12
63	Extra for additional lift of 1.5m.orpart there of for excavation In loose/soft or hard soil including cost of materials,labour complete as per specifications.	Cum	27.00
64	Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement@220kgs, with 40mm and downsize graded granite metal coarse aggregates @0.892cum and fine aggregates @465cum machine mixed, machine mixed,concrete laid in layers not exceeding 15cms,thick well compacted, in foundation and plinth, including cost of all material, labour HOM Machinery curing complete as per specification	Cum	8.49

	Unit	Previous Measurement		Present Measurement			Total UP-to-date		Rmks
		Qty	Cost	Qty	Rate Rs.	Cost	Qty.	Cost	
ating	Mtr	150.00	13350.00	0.00	89.00	0.00	150.00	13350.00	
drain	Mtr	24.00	8640.00	0.00	360.00	0.00	24.00	8640.00	
men	No	6.00	1752.00	0.00	292.00	0.00	6.00	1752.00	
the equal o the n dia	No	6.00	17100.00	0.00	2850.00	0.00	6.00	17100.00	
bolts	No	36.00	6768.00	0.00	188.00	0.00	36.00	6768.00	
oved ons	No	6.00	10122.00	0.00	1687.00	0.00	6.00	10122.00	
tions	No	6.00	1452.00	0.00	242.00	0.00	6.00	1452.00	
bour	No	24.00	2016.00	0.00	84.00	0.00	24.00	2016.00	
nt of and	No	6.00	2190.00	0.00	365.00	0.00	6.00	2190.00	
ixing and	No	6.00	9696.00	0.00	1616.00	0.00	6.00	9696.00	
ather proof d be paint	No	131400.00	43362.00	0.00	0.33	0.00	131400.00	43362.00	
nous cally n on vided ntrol bove	No	6.00	68970.00	0.00	11495.00	0.00	6.00	68970.00	
hiriry y as	Cum	162.00	31752.00	0.00	196.00	0.00	162.00	31752.00	
vring pipe	Rmtr	360.00	59040.00	0.00	164.00	0.00	360.00	59040.00	
ding	Cum	162.00	10206.00	0.00	63.00	0.00	162.00	10206.00	
minal ons.	Each	12.00	27780.00	0.00	2315.00	0.00	12.00	27780.00	
ither g the upto	Cum	213.12	45394.56	0.00	213.00	0.00	213.12	45394.56	
st of	Cum	27.00	6210.00	0.00	230.00	0.00	27.00	6210.00	
and ixed, linth,	Cum	8.49	48350.55	0.00	5695.00	0.00	8.49	48350.55	

Sl. No	Description of work	Unit	Previou Qty
65	Providing and laying in position plain cement concrete of mix 1:4:8 with OPCcement @180kgs with 40mm and downsize graded granite metal coarse aggregates @0.85cum and fine aggregares@0.57cum machine mixed,concrete laid in layers not,exceeding 15cms,thick,well compacted,in foundation and plinth,including cost of all materials,labour,HOM of machinery,curing complete as per specifications.	Cum	40.33
66	Providing and constructing granite/trap/basalt size stone masonry in basement with cement mortar1:6,edges of stones chistle dressed in courses not lessthan15cms high,bond stones at two m.apart in each course including cost of materials,labour,curing complete as per specifications.	Cum	33.48
67	Providing and constructing granite/trap/basalt size stone masonry in basement with cement mortar1:6,edges of stones chistle dressed in courses not lessthan15cms high,bondstones at two m.apart in each course including cost of materials,labour,curing complete as per specifications.	Cum	15.04
68	Filling available excavated earth (excluding rock) insides of foundations upto plinth in layers not exceeding 20cms. in depth,compacting each deposited layer by ramming after watering with lead upto 50m.and lift upto1.5m.including cost of all labour complete as per specifications.	Cum	237.58
69	Providing and constructing load bearing wall with solid concrete blocks of size400x200x200mm having block density not less than1800kg/m3 and having aminimum average compressive strength 5.00N/mm2 confirming to IS2185(Part):2005 and constructed with CM1:4,as per IS2572:2005 including cost of all materials, labour charegs,scaffolding, curing complete as per specifications.	Sqm	603.98
70	Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @320kgs,with 20mm and down size graded granite metal,coarse aggregates @0.878cum and fine aggregates@0.459cum with superplastisiser @3lts confirming to IS9103-1999 re affirmed-2008 machine mixed,concrete laid in layers not exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs,staircase,lintels,retainingwalls,walls(anythickness)including attached plasters,column,piers,abutments,pillars,posts,struts,buttresses,string or lacing courses,parapets, coping, bed blocks,anchor blocks,plain window cills,fillets etc,including cost of all materials, labour,HOM of machinery,curing, complete as per specifications.	Cum	77.10
71	Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @320kgs,with 20mm and downsize graded granite metal coarse aggregates @0.69cum and fine aggregates@0.46cum,with superplastisiser @3ltsconfirming to IS9103-1999 Reaffirmed-2008,machine mixed, concrete laid in layers not exceeding15cms thick,vibrated for all worksin ground floor level for roof slabs,stair case,lintles ,and beams retaining walls,return walls,walls(any thickness)including attached plasters,columns,pillars,posts,struts,buttresses,string or lacing courses,parapets,coping,bed blocks,anchor blocks,plain window cills,fillets etc.,including cost of all materials,labour,HOM of machinery,curing,complete but excluding cost of reinforcement as per specifications.	Cum	31.16
72	Providing and laying in position reinforced cement concrete of mix M20 with OPC cement @24kgs,with12mm and down size graded granite metal coarse aggregates@0.5175 cum and fineaggregates@0.345 cum with superplastisiser@0.225lts,machine mixed,well compacted for plain chajja of 7.5cms.average thickness,upto ground floor lever,including cost of all materials,labour,HOM of machinery,curing,complete as per specification.	Sqm	42.38
73	Providing TMT steel reinforcement for R.C.C work including straightening, cutting, bending,hooking, placing in position,lapping and/or welding wherever required,tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design(laps,hooks and wastage shall not be measured and paid)cost of materials,labour,HOM of machinery complete as per specifications.	MT	12.85
74	Providing and removing centering, shuttering, strutting, propping etc.,and removal of formwork for foundations,footings, bases of columns for mass concrete including cost of all materials,labour complete as per specificaitons.	Sqm	51.84
75	Providing and removing centering, shuttering, strutting, propping etc., and removal of formwork for vertical surface such as walls at any thickness,including attached pilasters,buttresses, plinth cills and string courses cost of all materials, labour complete as per specifications.	Sqm	400.54
76	Providing and removing centering, shuttering, strutting, propping etc.,for columns,pillars,post and struts,square/rectangular/polygon in plan including cost of all materials, labour complete as per specifications.	Sqm	129.36
77	Providing and removing centering, shuttering, strutting, propping etc.,and removal of formwork for suspended floors, landings, balconies and likes,thickness upto 200mm including cost of all materials, labour complete as per specificaitons upto3.50 m from ground level.	Sqm	142.84
78	Providing and removing centering, shuttering, strutting, propping etc.,and removal of formwork for sides and soffits of beams,beam haunchings,cantilever girders,bress umers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specifications.	Sqm	120.70
79	Providing and removing centering, shuttering, strutting, propping etc.,for chajjas,corbelsetc.,including edges including cost of all materials,labour complete as per specifications.	Sqm	46.44

	Unit	Previous Measurement		Present Measurement			Total UP-to-date		Rmks
		Qty	Cost	Qty	Rate Rs.	Cost	Qty.	Cost	
n and chine g cost	Cum	40.33	221492.36	0.00	5492.00	0.00	40.33	221492.36	
ges of uding	Cum	33.48	158159.52	0.00	4724.00	0.00	33.48	158159.52	
ges of luding	Cum	15.04	84945.92	0.00	5648.00	0.00	15.04	84945.92	
eeding nd lift	Cum	237.58	33973.94	0.00	143.00	0.00	237.58	33973.94	
block ning to labour	Sqm	603.98	637802.88	0.00	1056.00	0.00	603.98	637802.88	
gs,with m with rs not r roof ached g, bed curing,	Cum	77.10	522969.30	0.00	6783.00	0.00	77.10	522969.30	
gs,with m;with rs not beams tached anchor ete but	Cum	31.16	216562.00	0.00	6950.00	0.00	31.16	216562.00	
12mm m with ss,upto ation.	Sqm	42.38	21783.32	0.00	514.00	0.00	42.38	21783.32	
cing in joining ed and	MT	12.85	1008211.00	0.00	78460.00	0.00	12.85	1008211.00	
rk for as per	Sqm	51.84	13478.40	0.00	260.00	0.00	51.84	13478.40	
vertical es cost	Sqm	400.54	132178.20	0.00	330.00	0.00	400.54	132178.20	
t and ons.	Sqm	129.36	53296.32	0.00	412.00	0.00	129.36	53296.32	
pended lete as	Sqm	142.84	50422.52	0.00	353.00	0.00	142.84	50422.52	
les and depth	Sqm	120.70	34761.60	0.00	288.00	0.00	120.70	34761.60	
edges	Sqm	46.44	14164.20	0.00	305.00	0.00	46.44	14164.20	

Sl. No	Description of work	Unit	Previ Qty
80	Providing 12mm thick cement plaster in single coat with cement mortar1:3,to ceiling including rounding off corners wherever required smooth rendering,:Providing and removing scaffolding,including cost of materials,labour,curing complete as per specifications	Sqm	241.8
81	Providing 20mm thick cement plaster in single coat with cement mortar1:4,to stone masonry including rounding off corners wherever required smooth rendering,:Providing and removing scaffolding, including cost of materials,labour,curing complete as per specifications. (Inside wall)	Sqm	264.7
82	Providing 20mm thick cement plaster in single coat with cement mortar 1:6,to stone masonry & concrete surface including rounding off corners wherever required smooth rendering,:Providing and removing scaffolding, including cost of materials,labour,curing complete as per specifications.	Sqm	280.4
83	Providing 12mm thick cement plaster in single coat with cement mortar1:4,to brick masonry including rounding off corners wherever required smooth rendering,:Providing and removing scaffolding, including cost of materials,labour,curing complete as per specifications.	Sqm	225.9
84	Providing white washing for every one additional coat with lime of approved quality,to give an even shade including cost of materials,labour,complete as per specifications.	Sqm	225.9
85	Providing white washing to ceiling and/or sloping roof surface with additional one coat with lime of approved quality,to give an even shade in cluding cost of materials,labour,complete as per specifications.	Sqm	126.2
86	Providing lime rendering for plastering to wall and ceiling, including cost of materials, labour, curing complete as per specifications.	Sqm	380.3
87	Providing 18mm thick cement plaster in single coat with cement mortar 1:6,to brick masonry including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials,labour,curing complete as per specifications (Out side Wall)	Sqm	345.3
88	Providing and applying two coats with oil bound washable distemper of approved brand and shade on wall surface including priming coat with distemper pimer after thoroughly brooming the surface free from mortar drops and other foregn matter including preparing the surface even and sand papers mooth cost of materials ,labours,complete as per specifications	Sqm	645.0
89	Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to give an even shade after throughly brooing the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials,labour,complete as per specifications. - with primer.	Sqm	625.7
90	Providing and applying two coats with Plastic emulsion paint of approved brand wall surface to a give an even approved shade after throuughly brushing the surface,free from mortar drops and other foreign matter, including priming,including preparing the surface even and sand paper smooth,cost of materials,labour,complete as per specifications,with primer. For internal walls.	Sqm	225.9
91	Providing and applying two coats with Plastic emulsion paint of approved brand wall surface to a give an even approved shade after throuughly brushing the surface,free from mortar drops and other foreign matter,including priming,including preparing the surface even and sand paper smooth,cost of materials,labour,complete as per specifications,with primer. for ceiling	Sqm	126.2
92	Providing vitrified tiles 60x60cms of approved make,shade and size for flooring laid on a bed of 12mm thick cement mortar1:3mix,flush pointing with white cement using colour pigment,including cost of materials,labour,curing complete as per specification	Sqm	0.00
93	Providing skirting, dado, rises of steps with colour glazed tiles on10mm thick cement plaster1:3 and jointed with white cement slurry over rough plaster surface(excluding costo frough plastered surface which should be measured and paid separately)using glazed tiles of approved make and size including cost of materials, labour,complete as per specifications.-Colour glazed tiles 30x60cms6mm thick with border of size30 x 10 cms.	Sqm	0.00
94	Providing Honne wood frames of doors, windows, clere story windows,ventilators and other frames,wrought,framed or assembled including making plaster groves(excluding cost of cement concrete and side clamps),but including cost of materials,labour,HOM of machineries complete as per specifications.	Cum	0.00
95	Providing and fixing in position fully panelled Honne wood shutters for doors,styles and rails of 40mm.thick with bottom and lockrails180mm wide top rail and styles100mm wide as per drawing and panels of 25mm thick in cluding cost of materials,labour,HOM of machineries complete as per specifications.(excluding cost of fixtures)	Sqm	0.00
96	Providing and fixing.S.gill work for windows and ventilators using M.S.flats,or M.S.square rods,or combination of M.S.flats and square rods as per approved design,drawing including cutting steel sections and welding the same to required pattern with a coat of red lead primer,cost of materials,fixtures,labour and HOM of machinery complete as per specifications.	Kgs	0.00

	Unit	Previous Measurement		Present Measurement			Total UP-to-date		Rmks
		Qty	Cost	Qty	Rate Rs.	Cost	Qty.	Cost	
ing off ost of	Sqm	241.84	52479.28	0.00	217.00	0.00	241.84	52479.28	
unding cost of	Sqm	264.72	69621.36	0.00	263.00	0.00	264.72	69621.36	
surface folding,	Sqm	280.40	65894.00	0.00	235.00	0.00	280.40	65894.00	
unding cost of	Sqm	225.90	42017.40	0.00	186.00	0.00	225.90	42017.40	
shade	Sqm	225.90	1129.50	0.00	5.00	0.00	225.90	1129.50	
proved	Sqm	126.22	631.10	0.00	5.00	0.00	126.22	631.10	
plete as	Sqm	380.34	11029.86	0.00	29.00	0.00	380.34	11029.86	
unding cost of	Sqm	345.36	76669.92	0.00	222.00	0.00	345.36	76669.92	
on wall mortar naterials	Sqm	645.06	50959.74	0.00	79.00	0.00	645.06	50959.74	
shade to ee from er.	Sqm	625.75	59446.25	0.00	95.00	0.00	625.75	59446.25	
an even ncluding e as per	Sqm	225.90	23041.80	0.00	102.00	0.00	225.90	23041.80	
an even ncluding e as per	Sqm	126.22	13253.10	0.00	105.00	0.00	126.22	13253.10	
nm thick cost of	Sqm	0.00	0.00	75.00	1254.00	94050.00	75.00	94050.00	
nted with hould be naterials, 0 cms.	Sqm	0.00	0.00	7.53	1674.00	12605.22	7.53	12605.22	
d other rete and	Cum	0.00	0.00	0.34	116081.00	39467.54	0.34	39467.54	
hick with n thick in xtures)	Sqm	0.00	0.00	9.45	5239.00	49508.55	9.45	49508.55	
ination of the same nachinery	Kgs	0.00	0.00	725.76	88.00	63866.88	725.76	63866.88	

Sl. No	Description of work	Unit	Previou Qty
97	Providing and fixing in position aluminium windows and ventilators as per approved drawings with sliding shutters using double track window frame setion of size 61.85x31.75mm.with1.2mmthick,bottom section weight 0.695kg/m,side sand top sections1.3mm.thick weight 0.659kg/m;and shutter comprising top and bottom section of size40mmx18mm,1.25mmthick0.417kg./m;shutter outer side40mmx18mm,1.25mm.thick weight 0.417kg/m,shutter interlock section 40mmx26.7mm,1.1mm thick,weight0.469kg/m.the shutters mounted on nylon rollers with approved quality of fixtures such as aluminium handles tower bolts etc.;and providing and fixing5.5mm.thick plain glass for shutters fitted with rubber beading aluminium sections including cutting to required length,joints mitred subdividing the frame tenonned and rivetted in the assembled frame stiffened with end clips at corners angles etc.,and fixed to the walls,lintels,floor beams/cills as the case may be with necessary steel screws,raul plugs,or teak wood gatties including cutting masonry	Sqm	0.00
98	Applying priming coat over new wood surface and/or wood based surface,after brushing with ready mix enamel priming paint including preparing the surface after thoroughly cleaning oil,grease,dirt and foreign matter,sand papering and knotting ready mix paint including cost of materials,labour,complete as per specifications.	Sqm	0.00
99	Providing and applying painting two coats (excluding priming coat)on new wood surface and/or wood based surface with enamel paint to given even shade,cleaning the surface of all dirt,dust and foreign matter,sand papering including cost of materials,labour,complete as per specifications.	Sqm	0.00
100	Providing and applying enamel metal paint two coats (excluding priming coat)over new steel or other metal surface brushing to given even shade after cleaning oil,grease,dirt and other foreign matter,including cost of materials,labour,complete as per specifications	Sqm	210.35
101	Providing and fixing Special make glazed Vitrified tiles (Granomite finis)of approved make,quality and colour of sized 6000x600x10mm thick fixed on existing flooring with a special roffe adhesive for flooring and skirting etc.,complete including providing spears at required interval and removing stains etc.,complete.	Sqm	246.57
102	Providing and laying/fixing cement base,pre cast pre polished cement concrete,design er tiles 25 mm thick conforming to IS 1237 heavy duty tiles for flooring reads of steps of steps and land in,laid on a bed of 12mm thick cement mortar 1:3 m is finished with flush pointing using white cement ,including cost of material,s including cutting,griding the edge ti half/ful rounf wherever require slab our,curing complete as per specification	Sqm	27.00
103	Providing and fixing in position incement concrete 1:3:6steel glazed windows and ventilators side hung/top hung fully open able as per approved drawings using Z angles of 25x33x3mm,weighing1.419Kg/m both for outer and inner frames and central mullion section of size 25x46x3mm weighing 2.28Kg/m duly providing T section19x19x3mm weighing 0.839kg/m for glazing of windows not more than 34 cms.c to c including providing and fixing 4mm thick reeded glass with teak wood beading of required size,all steel section should confirm to I.S.7452:1990,4nos,of hold fasts of approved size section should be cut to length welded and electrically grinded sub dividing frames of unit shall be tenonned and revette in to the frame selectrically.All the steel surface shall be thoroughly cleaned free of rust and painted with one coat of anti-corosive paint and finishing with two coats of ready mix paint of approved colour and make including cost of materials,fixtures,labour and HOM of machinery complete as per specification	Sqm	6.48
104	Providing and fixing pull and push type rolling shutters of approved make out of 18 guage,75mm wide cold rolled steel laths of convex corrugation,with side guides and bottom rail,with interlocking arrangements for steel laths by means of alternate clips,suspensions haft with High tension coil type springs two numbers,mounted on specially designed pipe shaft,with bracket plates,guide channels,ball bearing arrangements,for inside & outside locking with push & operations complete Including pulling hooks,4nos handles with all fittings and accessories,painted with a coat ofred lead paint (without top cover)cost of materials,labour,HOMof machinery complete as per specifications.Shutter size3mx2.8m	Sqm	45.00
105	Providing revsrse osmosis system to cover 2000 Liters of High TDS water per hour	No	6.00
106	Supplying and wiring adopting loop system in existing PVC Conduit/casing cap ping using 1100 Vgrade, COPPER conductor flexible multi strand FRL SPVC insulated,2X1.5Sq.mm Cable confirming to the GTP,with a 6 Amps flush type SP control switch shall be fixed on the existing plastic sheet/gang box,the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block.complete for each out let.GROUPA	Point	12.00
107	Supplying and wiring adopting loop system in existing PVC Conduit/casing capping using1100Vgrade,COPPER conductor flexible multi strand FRL SPVC insulated ,2X1.5Sq.mm Cable confirming to the GTP,with a 6Amps flush type SP control switch shall be fixed on the existing plastic sheet/gang box,the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block.complete for each outlet.GROUPA	Point	12.00
108	Supplying and flush mounting teak wooden box without front plank,made of not less than12mm thick wood,after due groove cutting,Finishing with necessary cement plastering complete	Each	72.00
109	Supplying and flush mounting teak wooden box without front plank,made of not less than 12mm thick wood, after due groove cutting,Finishing with necessary cement plastering complete	Each	36.00

	Unit	Previous Measurement		Present Measurement			Total UP-to-date		Rmks
		Qty	Cost	Qty	Rate Rs.	Cost	Qty.	Cost	
sliding weight ection weight ed on g and ing to d with essary asonry	Sqm	0.00	0.00	34.56	4308.00	148884.48	34.56	148884.48	
namel r,sand	Sqm	0.00	0.00	9.45	35.00	330.75	9.45	330.75	
based r,sand	Sqm	0.00	0.00	9.45	95.00	897.75	9.45	897.75	
metal cost of	Sqm	210.35	19562.55	0.00	93.00	0.00	210.35	19562.55	
lour of skirting	Sqm	246.57	330896.94	0.00	1342.00	0.00	246.57	330896.94	
n thick 12mm terial,s ation	Sqm	27.00	33021.00	0.00	1223.00	0.00	27.00	33021.00	
p hung ter and ding T oviding nfirm to grinded ce shall coats of chinery	Sqm	6.48	25809.84	0.00	3983.00	0.00	6.48	25809.84	
d rolled el laths nted on outside gs and achinery	Sqm	45.00	145350.00	0.00	3230.00	0.00	45.00	145350.00	
	No	6.00	3229050.00	0.00	538175.00	0.00	6.00	3229050.00	
Vgrade, with a 6 he wires UPA	Point	12.00	3048.00	0.00	254.00	0.00	12.00	3048.00	
OPPER 6Amps es shall	Point	12.00	4560.00	0.00	380.00	0.00	12.00	4560.00	
ood,after	Each	72.00	5112.00	0.00	71.00	0.00	72.00	5112.00	
od, after	Each	36.00	4356.00	0.00	121.00	0.00	36.00	4356.00	

Sl. No	Description of work	Unit	Previo Qty
110	Supplying and flush mounting teak wooden box without front plank,made of not less than12mm thick wood,after due groove cutting,Finishing with necessary cement plastering complete	Each	.00
111	Supplying 4 mm thick plastic sheet with necessary nitches for fixing switches,regulators etc.,and fixing on existing wooden or metal box using N.F.screws .	Sqcm	39999.9
112	Extra for Groove cutting in brick wall/ CC floor to the suitable depth for concealing of Conduit/ GI pipe and plastering,finishing upto wall surface complete.upto 50mm conduit in brick wall	Mtr	60.00
113	Supplying heavy gauge PVC Conduit Pipe19/20 mm dia 2mm thick with suitable size bends,metal junction boxes adhesive paste etc.,by groove cutting in the wall and fixing by bracingUorJ hooks and cement plastering up to the wall surface and run with18SWG GI fish wire run throughout the conduit wherever necessary.	Mtr	60.00
114	Supplying and fixing PBBC/Bake lite straight or slant batten holder and wiring with 60w/230 volts lamps.	Each	12.00
115	Supplying patti type fluorescent tube light fitting of 2'-suitable for 14watts fluorescent tube fitting,made out of M.S.Sheet and stove enameled with HF Electronic Ballast, locking type brass contact holders mounted on double fold type sheet base fully wired for use on 230 volts AC.Supply including T 5 lamp.	Each	24.00
116	Wiring for lighting /power circuit using one of FRL SPVC insulated 1100 V grade,multi strand Copper with low conductor resistances in glecore wire in open or concealed system of wiring with specified IS-694:1990& confirming to GTPofGROUP-A1.5 sqmm	Mtr	30.00
117	Supplying and fixing cast Aluminum round or oblong type bulk head fitting with GI wire guard,glass cover with 60/100watts230 V GLS lamp.	Each	24.00
118	Supplying, fixing, wiring,earth electrode for grounding conduits,I.C.cut outs and other equipment's on the meter board using 40mm dia2.90mm thick GI pipe2.5mtr long buried in a pit...The pits hould be filled with equal proportion of salt and charcoal 150mm all-round the pipe to complete depth.The connection from the pipe to the conduit etc.,is to be established through GI wire of size as per ISI specification7.3.3.of IS732 using12 mm dia bolts,nuts,washers and check nuts etc.,the pipe shall have16 through holes of 122mm dia	No.	6.00
119	LED Street light.Supply of LED Street light with pressured ie cast aluminum housing body with optimal heats in k for better thermal dissipation.Diffuser with Injection moulded & is made of polycarbonate material with high transmission index ,delivering superior light out put.Rated life Burning Hrs 50000hr@Lumen Maintenance of 70%.CCT>5500K,IP66 optical and electrical compartment & impact resistance of complete luminare>IK08.Power Factor>0.9with mains Current should not be greater than0.1 A to 0.7A & Surge Protection-Min 4KV along with Over voltage/ Over load,short circuit/mis wiring protection.Compatible for pole mounting with outer dia of 40 mm to50mm.Universal Voltage driver to operate wide voltage range from100Vto270V50/60Hz application. Over load & Short circuit protection ensures reliable operation inspite of problem in output side. Compliance toIS10322/IEC60598,LM79&LM80Adherence with RoHS.UL approved MCPCB.Topaccess street light with single screw to ensure ease of maintenance at the sight site location	Each	108.00
120	Supplying and Fixing of.....mm dia class A GI pipe bracket upto 2mtrs long bent at suitable angle and fixing to this bracket 1x40/2x40watts fluorescent tube street light fitting of all capacities to GI or CI or rail or RCC pole/wall using suitable clamps,bolts,and nuts and wiring using suitable capacity wires. Using 32mm dia	Each	171.00
121	Wiring for lighting/power circuit using one of PVC insulated 1100 v grade stranded Aluminium unsheathed wire single core/multi core cable in open or	Each	600.00
122	Supplying of 1.1 KV LT UG cable having aluminum conductor PVC insulated, extruded inner sheathed, galvanized, steel strip (except 2CX10Sq.mm wire armoured) confirming to IS-3975:1990 (No. of Strip indicated in GTP) & extruded PVC outer sheathed armoured cable with specified IS-1554 Part-1:1988 &	Per Mtr	160.00
123	Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe / stoneware pipe / on wall / on pole as required.In existing trench/duct.25 sqmm	Per Mtr	160.00
124	Thirister based single/Three phase smart street light control and Control and monitoring system Remotely control and and monitorable smart street light system by using web or mobile application .smart control system has hardware ruggedness over field issues like line cross, line short, lighting and any other irregularities in voltage. It has some features like 1.Remote lighting management.2.Precise lighting turnoff.3.Load	Each	25.00
125	Supplying tinned copper lugs and crimping and wiring to terminal point for wire of the following sizes25 sqmm Long barrel with all lead and lift loading and uploading and all other incidental cherges etc., complete as per specifiaction and direction of the engineer in charge of the work	Each	66.00
	Total Amount		

Certificate :

1 The above work has been Completed satisfactorily

	Unit	Previous Measurement		Present Measurement			Total UP-to-date		Rmks
		Qty	Cost	Qty	Rate Rs.	Cost	Qty.	Cost	
d,after	Each	.00	3240.00	0.00	90.00	0.00	36.00	3240.00	
ng on	Sqcm	39999.96	9999.99	0.00	0.25	0.00	39999.96	9999.99	
e and	Mtr	60.00	1320.00	0.00	22.00	0.00	60.00	1320.00	
boxes up to	Mtr	60.00	3480.00	0.00	58.00	0.00	60.00	3480.00	
	Each	12.00	1092.00	0.00	91.00	0.00	12.00	1092.00	
out of ted on	Each	24.00	14808.00	0.00	617.00	0.00	24.00	14808.00	
ith low 1990&	Mtr	30.00	570.00	0.00	19.00	0.00	30.00	570.00	
er with	Each	24.00	18720.00	0.00	780.00	0.00	24.00	18720.00	
meter equal to the mm dia	No.	6.00	17100.00	0.00	2850.00	0.00	6.00	17100.00	
ats in k h high nce of mplete ection- ng with 0/60Hz t side. street	Each	108.00	2112696.00	0.00	19562.00	0.00	108.00	2112696.00	
ixing to ole/wall	Each	171.00	159543.00	0.00	933.00	0.00	171.00	159543.00	
ed wire	Each	600.00	4800.00	0.00	8.00	0.00	600.00	4800.00	
eathed, dicated	Per Mtr	160.00	27680.00	0.00	173.00	0.00	160.00	27680.00	
on pole	Per Mtr	160.00	5760.00	0.00	36.00	0.00	160.00	5760.00	
emotely system rities in	Each	25.00	1345425.00	0.00	53817.00	0.00	25.00	1345425.00	
sqmm as per	Each	66.00	1386.00	0.00	21.00	0.00	66.00	1386.00	
			35918450.61			10371139.21		46289589.82	

Rs. 3591 8448-

1,03,71,102-00

46,28,955 0-